

10/532415  
Rec'd PCT/PTO 22 APR 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



10/532415



(43) International Publication Date  
3 June 2004 (03.06.2004)

PCT

(10) International Publication Number  
WO 2004/046463 A2

- (51) International Patent Classification<sup>7</sup>: D21H
- (21) International Application Number:  
PCT/US2003/037192
- (22) International Filing Date:  
19 November 2003 (19.11.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/427,610 19 November 2002 (19.11.2002) US
- (71) Applicant (for all designated States except US): INTERNATIONAL PAPER COMPANY [US/US]; 400 Atlantic Street, Stamford, CT 06921 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

— of inventorship (Rule 4.17(iv)) for US only

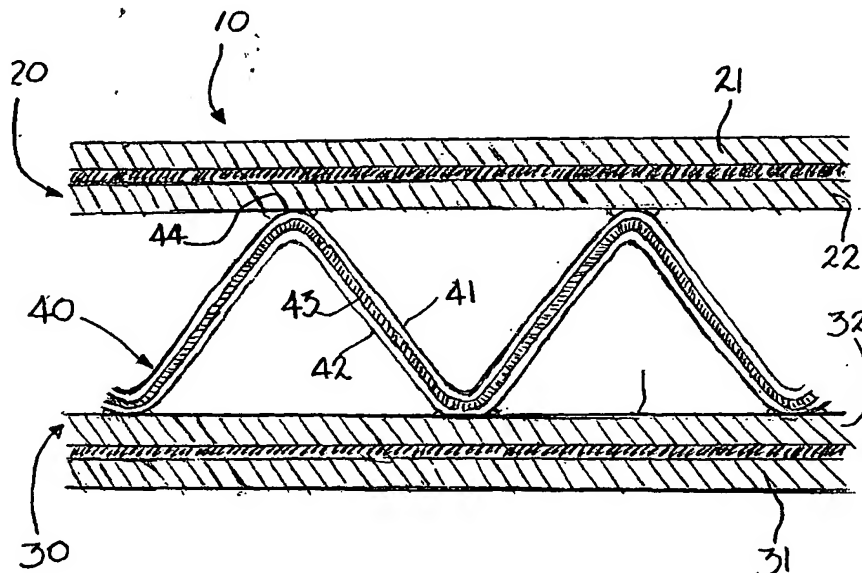
**Published:**

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

- (72) Inventors: NAUGHTON, William, Joseph; 4695 Bell Ridge Cove, Olive Branch, MS 38654-6226 (US). HALL, Arthur, Scott; 12174 Vanhorne Road, Meadville, PA 16335-7366 (US). RIGGINS, Pamela, Jean; 6950 Dovefield Lane, Bartlett, TN 38135-3015 (US).
- (74) Agent: CEPEDA, Milagros, A.; Ostrager Chong & Flaherty LLP, 825 Third Avenue, New York, NY 10022-7519 (US).

(54) Title: WATER VAPOR TRANSMISSION RATE RESISTANT AND REPULPABLE CORRUGATED PAPERBOARD



(57) Abstract: The present invention relates to an improvement in corrugated paperboard, and more particularly, to a water vapor transmission rate resistant coated corrugated paperboard for packaging material, which is also repulpable, wherein the water vapor transmission rate resistant coating is polyvinyladine chloride, polyethylene teraphthalate, acrylic, styrene butadiene rubber, or any mica formulation and wherein the coating is applied to at least one surfaces of the linerboard and/or the medium.

WO 2004/046463 A2